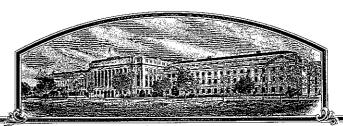
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HEIE UNITED STATES OF AMIERIO

TO ALE TO WHOM THESE; PRESENTS SHALL COME;

Pioneer Hi-Bred International, Inc.

MOCCOS, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS ing the variety, or offering it for sale, or reproducing it, or importing it, or exporting it, ioning it for propagation, or stocking it for any of the above purpose , or using it in ING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY TION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'92B71'

In Vestimon Marrers, I have hereunto set my hand and caused the seal of the Hant Interior Strotection Office to be affixed at the City of Washington, D.C. this thirty-first day of March, in the year of our Lord two thousand.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE (Instructions and information collection burden statement on reverse)		Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).			
1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)	EXPERIMENTAL NUMBER	3. VARIETY NAME			
Pioneer Hi-Bred International, Inc.			92B71		
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and	Country)	5. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY		
7100 NW 62nd Ave P.O. Box 1000	515-270-3582 (include area code)	PVPO NUMBER SSUCOS F DATE			
Johnston, Iowa 50131-1000		515-253-2288	1 2 Jan 98		
7. GENUS AND SPECIES NAME	8. FAMILY NAME (Bota	nical)	G FILING AND EXAMINATION FEE:		
Glycine max L.	Leguminos	sae	[* 0450.00		
9. CROP KIND NAME (Common name)	!		- \$ DATE 0/09/97		
Soybean					
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGAN Corporation	IZATION (corporation, partnershi	p, association, etc.) (Common name)	C CERTIFICATION FEE.		
11. IF INCORPORATED, GIVE STATE OF INCORPORATION		12. DATE OF INCORPORATION	DATE:		
lowa		May 6, 1926			
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO	SERVE IN THIS APPLICATION	AND RECEIVE ALL PAPERS	(include area code)		
John Grace	Jean Bromert	(Сору)	515-270-3582		
7300 NW 62nd Ave.	7100 NW 62n	d Ave.	(include area code)		
P.O. Box 1004	P.O. Box 100	0	(menduo area estaty		
Johnston, Iowa 50131-1004	Johnston, Iow	a 50131-1000	515-253-2288		
 a. \infty Exhibit A. Origin and Breeding History of the Variety b. \infty Exhibit B. Statement of Distinctness c. \infty Exhibit C. Objective Description of the Variety d. \infty Exhibit D. Additional Description of the Variety e. \infty Exhibit E. Statement of the Basis of the Applicant's Ownership f. \infty Voucher Sample (2,600 viable untreated seeds or, for tuber prog. g. \infty Filing and Examination Fee (\$2450), made payable to "Treasure 	opagated varieties verification	•	nintained in a public repository}		
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD YES If "yes," answer items 18 and 19 below)		S A CLASS OF CERTIFIED SEED (See Section " go to item (20)	n 83(a) of the Plant Variety Protection Act)?		
18, DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMIT	· · · · · · · · · · · · · · · · · · ·	9. IF "YES" TO ITEM 18, WHICH CLASSES O	F PRODUCTION BEYOND BREEDER SEED?		
GENERATIONS? YES NO		FOUNDATION REGISTER	RED CERTIFIED		
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN YES (If "yes," give names of countries and dates) U.S 1997	RELEASED, USED, OFFEREI NO	D FOR SALE, OR MARKETED IN THE U.S. OR	OTHER COUNTRIES?		
		At d will be replacibled upon yourset i	a considerate with earth regulations or may be		
21. The applicant(s) declare that a viable sample of basic seed of the variety applicable, or for a tuber propagated variety a tissue culture will be dep. The undersigned applicant(s) is/are) the owner(s) of this sexually repro-	osited in a public repository a	and maintained for the duration of the certific	eate		
Section 41, and is entitled to protection under the provisions of Section	42 of the Plant Variety Protect	ction Act.	,,		
Applicant(s) is(are) informed that false representation herein can jeopar		·····			
SIGNATURE OF APPLICANT (Owker(s))	SIGNA	FURE OF APPLICANT (Owner(s))			
Name (Please print or type) D. John Grace III	Name	(Please print or type)			
CAPACITY OR TITLE Soybean Research Coordinator / 2	(19/97 CAPAC	TTY OR TITLE	DATE		
SD-470 1-95) (Previous editions are to be destroyed)	/ / / /	(See reverse for instructions and	information collection burden statement)		

Exhibit A. Origin and Breeding History of the Variety

Soybean Variety 92B71

Variety 92B71 evolved from a 1993 cross of 30132-004/4/ST2250/3/9342//9341*2/40-3-2. 30132-004 is a selection from the cross of 9273/3/3149-47//A3733/RESNIK. 3149-47 is a selection from the cross of MO304/A3127.

92B71 is an F2-derived variety which was advanced to the F2 generation by modified single seed descent. The F3 progeny row of 92B71 was grown in the winter of 1994-95. Subsequently, 92B71 has undergone 2 years of extensive testing and purification and has been observed by the breeder to be uniform and stable for all plant traits from generation to generation, with no evidence of variants. On the basis of resistance to labeled Roundup Brand herbicides, excellent emergence, and excellent standability, variety 92B71 was released for sale.

The purification block was grown and 23 sublines were bulked for increase. One acre of 92B71 (breeders seed) was grown, and nine acres of parent seedstock (foundation seed equivalent) were grown in the summer of 1996 with 446 bushels harvested.

Exhibit B. Statement of Distinctness

Soybean Variety 92B71

Variety 92B71 is most similar to variety 9254. Both varieties have tawny pubescence, yellow seeds, equivalent height, lodging, and emergence. However, variety 92B71 has white flowers, brown hila, and tan pod wall color while variety 9254 has purple flowers, black hila, and brown pod wall color.

92B71 is similar to AG2401, AG2501, AG2701 and AG2702. However, AG2401, AG2501, AG2701 and AG2702 have gray pubescence, whereas 92B71 has tawny pubescence.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SEED DIVISION - PLANT VARIETY PROTECTION OFFICE **BELTSVILLE, MARYLAND 20705**

EXHIBIT C (Soybean)

OBJECTIVE DESCRIPTION OF VARIETY

SOYBEAN (Glycine max L.) NAME OF APPLICANT(S) TEMPORARY DESIGNATION VARIETY NAME Pioneer Hi-Bred International, Inc. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code) FOR OFFICIAL USE ONLY 7300 N.W. 62nd Ave., P.O. Box 1004 PVPO NUMBER Johnston, IA 50131-1004 Choose the appropriate response which characterizes the variety in the features described below. When the number of significant digits in your answer is fewer than the number of boxes provided, place a zero on the first box when number is 9 or less (e.g., 0 9). Starred characters ** are considered fundamental to an adequate soybean variety description. Other characters should be described when information is available. 1. SEED SHAPE: 2 1 = Spherical (L/W, L/T, and T/W ratios = < 1.2) 2 = Spherical Flattened (L/W ratio > 1.2; L/T ratio = < 1.2) 3 = Elongate (L/T ratio > 1.2; T/W = < 1.2) 4 = Elongate Flattened (L/T ratio > 1.2; T/W > 1.2) ★ 2. SEED COAT COLOR: (Mature Seed) 1 = Yellow 2 = Green 3 = Brown 4 = Black 5 = Other (Specify) 3. SEED COAT LUSTER: (Mature Hand Shelled Seed) 1 = Dull ('Corsoy 79'; 'Braxton') 2 = Shiny ('Nebsoy'; 'Gasoy 17') ★ 4. SEED SIZE: (Mature Seed) Grams per 100 seeds ★ 5. HILUM COLOR: (Mature Seed) 1 = Buff 2 = Yellow 3 = Brown 4 = Gray 5 = Imperfect Black 6 = Black 7 = Other (Specify) ★ 6. COTYLEDON COLOR: (Mature Seed) 1 = Yellow 2 = Green ★ 7. SEED PROTEIN PEROXIDASE ACTIVITY: 1 = Low 2 = High★ 8. SEED PROTEIN ELECTROPHORETIC BAND: 1 = Type A (SP1 a) 2 = Type B (SP1 b) ★ 9. HYPOCOTYL COLOR: 1 = Green only ('Evans'; 'Davis') 2 = Green with bronze band below cotyledons ('Woodworth'; 'Tracy') 3 = Light Purple below cotyledons ('Beeson'; 'Pickett 71') 4 = Dark Purple extending to unifoliate leaves ('Hodgson'; 'Coker Hampton 266A') ★ 10. LEAFLET SHAPE:

FORM LMGS-470-57 (6-83)

1 = Lanceolate

(Edition of 2-82 is obsolete.)

3 = Ovate

4 = Other (Specify)

2 = Oval

1 1	T SIZE: 1 = Small ('Amsoy 71'; 'A5312')	
12. LEAF CO	DLOR:	
	1 = Light Green ('Weber'; 'York') 2 = Medium Green ('Corsoy 79'; 'Braxton') 3 = Dark Green ('Gnome'; 'Tracy')	
★ 13. FLOWER	₹ COLOR:	
1 1	1 = White 2 = Purple 3 = White with purple throat	
★ 14. POD CO	LOR:	
	1 = Tan 2 = Brown 3 = Black	· · · · · · · · · · · · · · · · · · ·
★ 15. PLANT PI	UBESCENCE COLOR:	
	t = Gray 2 = Brown (Tawny)	
16. PLANT TY	YPES:	
	I = Siender ('Essex'; 'Amsoy 71') 2 = Intermediate ('Amcor'; 'Braxton') B = Bushy ('Gnome'; 'Govan')	
★ 17. PLANT H	ABIT:	
1 1	l = Determinate ('Gnome'; 'Braxton') 2 = Semi-Determinate ('Will') 3 = Indeterminate ('Nebsoy'; 'Improved Pelican')	
★ 18. MATURIT	V CROUD.	
	1 = 000 $2 = 00$ $3 = 0$ $4 = I$ $5 = II$ $6 = III$ $7 = IV$ $8 = V$	
	9 = VI	
🛨 19. DISEASE	REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)	
BACTER	RIAL DISEASES:	
* 0	Bacterial Pustule (Xanthomonas phaseoli var. sojensis)	
* 0	Bacterial Blight (Pseudomonas glycinea)	
* 0	Wildfire (Pseudomonas tabaci)	
FUNGAL	L DISEASES:	
★ 0	Brown Spot (Septoria glycines)	
_		
F	Frogeye Leaf Spot (Cercospora sojina)	
. 🗔	Frogeye Leaf Spot (Cercospora sojina) ace 1	pecify)
★ 0 Ra		pecify)
★ 0 Ra	ace 1 0 Race 2 0 Race 3 0 Race 4 0 Race 5 0 Other (S	pecify)
★ 0 Ra 0 1 0 1	ace 1	pecify)
 ★ 0 Ra 0 1 0 1 0 1 	ace 1	pecify)
 ★ 0 Ra 0 I 0 I 0 I 	ace 1	pecify)

19.	19. DISEASES REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant) (Continued)							
	FUNGAL DISEASES: (Continued)							
*								
		Purple Seed Stain (C	Sercospora кікиспіі)		•			
	1	Rhizoctonia Root Rot	(Rhizoctonia solani)					
		Phytophthora Rot (P	Phytophthora megasperma var. sojae)					
*	0	Race 1 0 Race	2 0 Race 3 Race 4	Race 5 Race 6	Race 7			
		Race 8 Race	9 Other (Specify)		·			
	VI	RAL DISEASES:						
	1	Bud Blight (Tobacco F	Ringspot Virus)					
		Yellow Mosaic (Bean)	Tellow Mosaic Virus)					
*		Cowpea Mosaic (Cow	pea Chlorotic Virus)					
	1	Pod Mottle (Bean Pod	Mottle Virus)					
*	1	Seed Mottle (Soybean	Mosaic Virus)					
,	L NE	MATODE DISEASES:	,					
		Soybean Cyst Nematod	de (Heterodera glycines)					
*	0	Race 1 0 Race	2 1 Race 3 0 Race 4	Other (Specify)				
	0							
*	0	Southern Root Knot Nematode (Meloidogyne incognita)						
·*	Northern Root Knot Nematode (Meloidogyne Hapla)							
	Peanut Root Knot Nematode (Meloidogyne arenaria)							
	Reniform Nematode (Rotylenchulus reniformis)							
		OTHER DISEASE NOT ON FORM (Specify)						
20.	PHYS	IOLOGICAL RESPON	SES: (ENTER 0 = Not tested, 1 = Suscept	tible, 2 = Resistant)				
*								
	님							
	O Other (Specify)							
21.	21. INSECT REACTION: (ENTER 0 = Not tested, 1 = Susceptible, 2 = Resistant)							
	0 Mexican Bean Beetle (Epilachna Varivestis)							
	O Potato Leaf Hopper (Empoasca fabae)							
	O Other (Specify)							
22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.								
	CHARACTER NAME OF VARIETY CHARACTER NAME OF VARIETY							
	Plant Shape 9273 Seed Coat Luster 9273							
	Leaf S	Shape	9273	Seed Size	9242			
	Leaf C	Color	9242	Seed shape	9281			
	Leaf S	Bize	9281	Seedling Pigmentation	9273			

Variety Name 92B71

23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY: Paired Comparison Data

VARIETY	NO. OF DAYS MATURITY	PLANT LODGING SCORE	CM PLANT HEIGHT	LEAFLET SIZE		SEED CONTENT		SEED SIZE	NO.
				CM Width	CM Length	% Protein	% Oil	G/100 SEED	SEEDS POD
Submitted 92B71	124.0	1.3	75.2	.,		41.1	21.7	16	3
Name of Similar Variety 9254	121.0	1.1	73.9			41.5	22.6	15	3

PUBLICATIONS USEFUL AS REFERENCE AIDS FOR COMPLETING THIS FORM:

- 1. Caldwell, B.E., ed. 1973. Soybeans: Improvement, Production, and Uses. Amer. Soc. Agron. Monograph No. 16.
- 2. Buttery, B.R. and R.I. Buzzell. 1968. Peroxidase activity in seeds of soybean varieties. Crop Sci., 8: 722-725.
- 3. Hymowitz, T. 1973. Electrophoretic analysis of SBTI-A2 in the USDA soybean germplasm collection. Crop. Sci., 13: 420-421
- 4. Payne, R.C. and L.F. Morris. 1976. Differentiation of soybean cultivars by seedling pigmentation patterns. J. Seed Technol. 1:1-19

Exhibit D. Additional Description of the Variety

Soybean Variety 92B71

In Exhibit C we have identified variety 92B71 as susceptible to bacterial blight, brown spot, pod and stem blight, rhizoctonia root rot, bud blight, yellow mosaic, cowpea mosaic, pod mottle and seed mottle.

This does not mean that variety 92B71 is any worse for these problems than other varieties of similar maturity. Rather, we do not consider 92B71 to be immune to these problems. Therefore, we have chosen to be conservative and have identified the line as "susceptible".

U.S. DEPARTMENT OF AG AGRICULTURAL MARKETII			The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995,				
EXHIBIT I		red in order to determine if a plant variety protection ssued (7 U.S.C. 2421). Information is held confidential sued (7 U.S.C. 2426).					
1. Name Of Applicant(s)		2. Temporary Designation Or Experimental Number	3. Variety Name				
Pioneer Hi-Bred International, Inc	.		92B71				
4. Address (Street and No., or R.F.D. No., City, State, and	ZIP Code, and Country)	5. Telephone (include area code)	6. Fax (include area code)				
7100 NW 62nd Ave		515-270-3582	515-253-2288				
P.O. Box 1000		7. PVPO Number					
Johnston, Iowa 50131-1000		9800	063				
8. Does the applicant own all rights to the varie	fy2 Mark an "Y" in appropriate		¥ YES □ NO				
9. Is the applicant (individual or company) a U. If no, give name of country	S. national or U.S. based comp	eany?	✓ YES □ NO				
10. Is the applicant the original owner?	✓ YES □ NO	If no, please answer the following:					
a. If original rights to vari	ety were owned by individual(s	s), Is (are) the original owner(s) a U.S.	national(s)?				
☐ YES ☐ NO	If no, give name of countr	у					
b. If original rights to vari	ety were owned by a company, If no, give name of countr	, is the original owner(s) a U.S. based	company?				
11. Additional explanation on ownership (If I	needed, use reverse for extra s	pace):					
•							
	•						
PLEASE NOTE:							
Plant variety protection can be afforded only to	owners (not licensees) who m	eet one of the following criteria:					

- 1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.